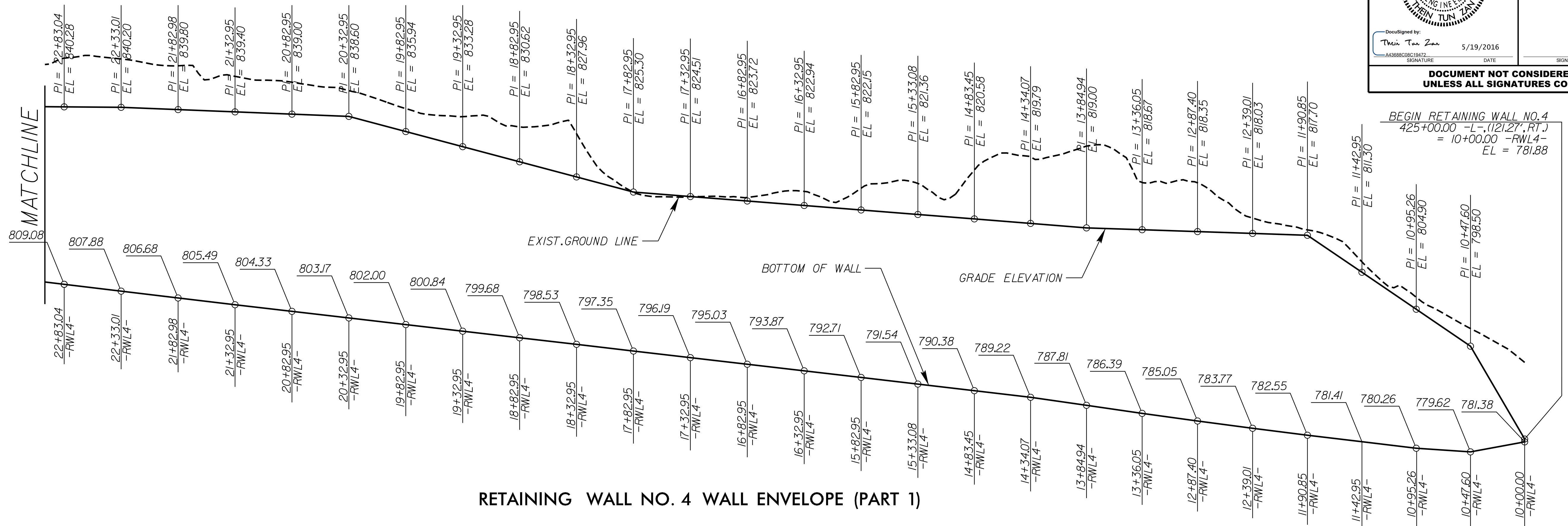


GEOTECHNICAL ENGINEER

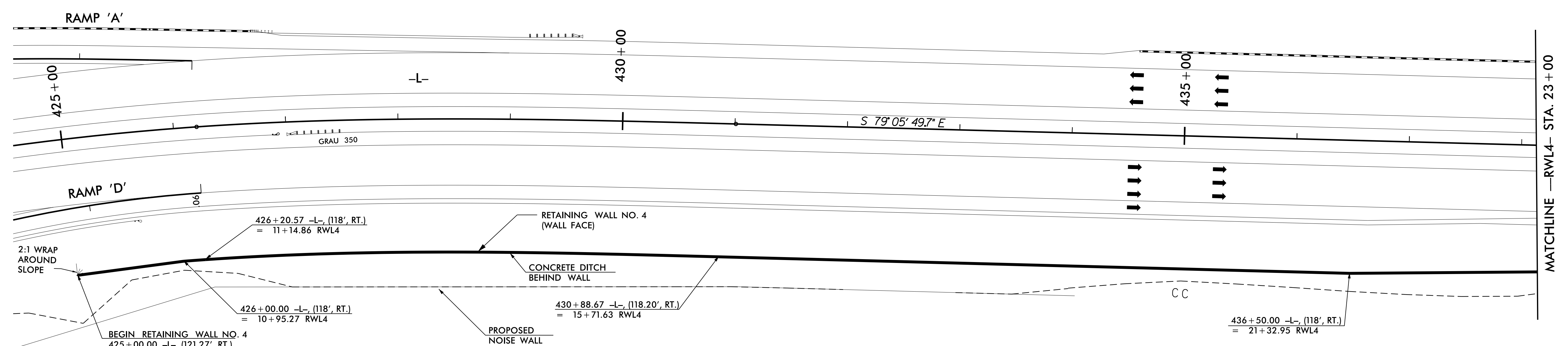
ENGINEER

DocuSigned by:  
Thein T. Zan  
5/19/2016

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



**RETAINING WALL NO. 4 WALL ENVELOPE (PART 1)**



**RETAINING WALL NO. 4 PLAN VIEW (PART 1)**

-RWL4-

PI Sta 11+05.07	PIs Sta 12+67.25
$\Delta = 0^\circ 28' 18.6\" (RT)$	$\Theta_s = 5^\circ 30' 02.7\"$
$D = 2^\circ 24' 30.7\"$	$L_s = 456.77'$
$L = 19.59'$	$LT = 304.66'$
$T = 9.80'$	$ST = 152.39'$
$R = 2,378.86'$	

PROJECT NO.: U-2524D  
GUILFORD COUNTY  
STATION: 425+00 -L- (10+00 -RWL4-)  
SHEET 1 OF 12

PREPARED BY: THEIN T. ZAN  
REVIEWED BY: JAMES R. BATTS

DATE: 05-2016  
DATE: 05-2016

**NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

**GEOTECHNICAL  
ENGINEERING UNIT**

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

**RETAINING WALL NO. 4  
SOIL NAIL RETAINING WALL  
PLAN VIEW & WALL ENVELOPE  
(PART 1)**

SHEET NO. W-9